

## PAPERS

- 5 **Buckling analysis of sandwich orthotropic cylindrical shells by considering the geometrical imperfection in face sheets**  
Ahmadi S. A., Pashaei M. H., Jafari-Talookolaei R.-A.
- 21 **Helmet to head coupling by multi-body system**  
Hynčák L., Bońkowski T.
- 29 **Computational study of a novel valveless design of a macroscale piston pump**  
Machů T., Pochylý F., Šulc J.
- 39 **Response probability density of a system with cross-correlated parametric and additive input noises**  
Náprstek J., Fischer C.
- 53 **Wang tiling for particle heterogeneous materials: Algorithms for generation of tiles/cubes via molecular dynamics**  
Šedlbauer D., Lepš M.